



-1-

SEQUENCE LISTING

TECH CENTER 1600/2322

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RECEIVED

<110> Habener, Joel

<120> Insulinotropic Hormone and Uses Thereof

<130> 0609.1090009

<140> 09/635,679

<141> 2000-08-10

<150> 09/090,949

<151> 1998-06-05

<150> 08/749,762

<151> 1996-11-20

<150> 08/156,800

<151> 1993-11-23

<150> 07/756,215

<151> 1991-09-05

<150> 07/532,111

<151> 1990-06-01

<150> 07/148,517

<151> 1988-01-26

<150> 06/859,928

<151> 1986-05-05

<160> 4

<170> PatentIn version 3.1

<210> 1

<211> 1034

<212> DNA

<213> Artificial Sequence

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<223> cDNA

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<221> CDS

<222> (61) .. (600)

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Met Lys Thr Val Tyr Ile Val Ala Gly Leu Phe Val Met Leu Val Gln	
1 5 10 15	
ggc agc tgg cag cat gcc cct cag gac acg gag gag aac gcc aga tca	156
Gly Ser Trp Gln His Ala Pro Gln Asp Thr Glu Glu Asn Ala Arg Ser	
20 25 30	
ttc cca gct tcc cag aca gaa cca ctt gaa gac cct gat cag ata aac	204
Phe Pro Ala Ser Gln Thr Glu Pro Leu Glu Asp Pro Asp Gln Ile Asn	
35 40 45	
gaa gac aaa cgc cat tca cag ggc aca ttc acc agt gac tac agc aaa	252
Glu Asp Lys Arg His Ser Gln Gly Thr Phe Thr Ser Asp Tyr Ser Lys	
50 55 60	
tac cta gac tcc cgc cgt gct caa gat ttt gtg cag tgg ttg atg aac	300
Tyr Leu Asp Ser Arg Arg Ala Gln Asp Phe Val Gln Trp Leu Met Asn	
65 70 75 80	
acc aag agg aac cgg aac aac att gcc aaa cgt cat gat gaa ttt gag	348
Thr Lys Arg Asn Arg Asn Asn Ile Ala Lys Arg His Asp Glu Phe Glu	
85 90 95	
agg cat gct gaa ggg acc ttt acc agt gat gtg agt tct tac ttg gag	396
Arg His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu	

100	105	110	
ggc cag gca gca aag gaa ttc att gct tgg ctg gtg aaa ggc cga gga Gly Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Gly			444
115	120	125	
agg cga gac ttc ccg gaa gaa gtc gcc ata gct gag gaa ctt ggg cgc Arg Arg Asp Phe Pro Glu Glu Val Ala Ile Ala Glu Glu Leu Gly Arg			492
130	135	140	
aga cat gct gat gga tcc ttc tct gat gag atg aac acg att ctc gat Arg His Ala Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu Asp			540
145	150	155	160
aac ctt gcc acc aga gac ttc atc aac tgg ctg att caa acc aag atc Asn Leu Ala Thr Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Lys Ile			588
165	170	175	
act gac aag aaa taggaatatt tcaccattca caaccatctt cacaacatct Thr Asp Lys Lys			640
180			
cctgccagtc acttgggatg tacatttgag agcatatccg aagctatact gctttgcatg			700
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<212> PRT

<213> Artificial Sequence

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Gly	Ser	Trp	Gln	His	Ala	Pro	Gln	Asp	Thr	Glu	Glu	Asn	Ala	Arg	Ser
	20						25					30			

Phe Pro Ala Ser Gln Thr Glu Pro Leu Glu Asp Pro Asp Gln Ile Asn

35

40

45

Glu Asp Lys Arg His Ser Gln Gly Thr Phe Thr Ser Asp Tyr Ser Lys
50 55 60

Tyr Leu Asp Ser Arg Arg Ala Gln Asp Phe Val Gln Trp Leu Met Asn
65 70 75 80

Thr Lys Arg Asn Arg Asn Asn Ile Ala Lys Arg His Asp Glu Phe Glu
85 90 95

Arg His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu
100 105 110

Gly Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Gly
115 120 125

Arg Arg Asp Phe Pro Glu Glu Val Ala Ile Ala Glu Glu Leu Gly Arg
130 135 140

Arg His Ala Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu Asp
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Asn Leu Ala Thr Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Lys Ile
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Thr Asp Lys Lys
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<212> PRT

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His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
1 5 10 15

Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg
20 25 30
